

**Cost Implication for the Project Budget of the Design and Fabrication of
100AMP/Hr, 12V Organic Battery**

s/n	Item	Cost	Total
1	Chemicals reagents and electrolytes	N5,000,000	
2	High purity copper foil, advance separators, binders	N4,000,000	
3	Upgrade lab equipment (hydraulic crimping machine, touch cell sealer, glove box electrode stacking/ winding machine, high precision pipette and burette, Ph Meter and conductive meter, electrolyte storage bottle, electrode coating machine, electrode punching machine, magnetic stirrer, Ultrasonicator)	N15,000,000	
4	Analytic characterization (XRD,SEM,NMR, Anisotropy testing	N5,000,000	
5	Pilot scale electrode preparation line	N5,000,000	
6	Fabrication of 1000 cells	N10,000,000	
7	Cell housing, connectors and testing rigs	N4,000,000	
8	Assembly of multi cell battery pack	N5,000,000	
9	Gel polymer and phenolic coating integration	N4,000,000	
10	Performance monitoring (IoT sensors, smart inverter, energy meter	N2,000,000	
11	Extended cycling and durability test	N2,500,000	N61,000,000

12	Research team and technician (stipend) 11 month	N5,000,000	
13	Transport, logistic and field development	N2,000,000	
14	Contingence	N1.450,000	N69,950,000